**REMARKS****Introductory Comments:**

Claims 1-20 are pending in the application. Claims 15-20 are allowed. Claims 2-3 and 9-11 are cancelled. The Applicants respectfully request reconsideration of claims 1, 4-8, and 12-14.

In Response To The Claim Objections:

The Office Action objects to claims 3-6 and 11-14 but states that they would be allowable if rewritten. In response to these objections, the Applicants amend claim 1 to include the limitations of claims 2-3 and amend claim 8 to include the limitations of claims 9-11. No new matter has been added. The Applicants believe that the aforementioned amendments overcome any objections to claims 4-6 and 12-14.

In Response To The Claim Rejections:

Claims 1-2, and 7-10 are rejected under 35 U.S.C. 102(b) as being unpatentable over van Seeters (5,283,528). Claims 1-2, and 7-10 are also rejected under 35 U.S.C. 102(b) as being unpatentable over McBrien (4, 987, 779).

According to the Office Action, the van Seeters and McBrien references include accelerometer designs analyzing signals as a function of capacitances. The Office Action recognizes that van Seeters and McBrien, however, do not disclose or teach a time integrator integrating a voltage signal in response to initialization parameters and generating an integrated signal therefrom, as do claims 3 and 11.

Therefore, in response to these rejections, the Applicants amend claim 1 to include the limitations of claims 2-3 and amend claim 8 to include the limitations of 9-11. The Applicants believe these amendments overcome the aforementioned

rejections. Claims 4-7 and 12-14 depend from the amended claims 1 and 8 and are believed to be allowable for at least this reason.

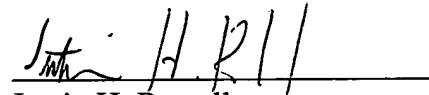
Conclusions:

In view of the aforementioned remarks, it is respectfully submitted that all pending claims are in a condition for allowance. A notice of allowability is therefore respectfully solicited. Please charge any fees required in the filing of this amendment to Deposit Account 50-0476.

The Examiner is invited to contact the undersigned at (248) 223-9500 if any unresolved matters remain.

Respectfully Submitted,

ARTZ & ARTZ P.C.

A handwritten signature in black ink, appearing to read "Justin H. Purcell", is written over a horizontal line.

Justin H. Purcell

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Dated: May 24, 2005